RICOH Americas Corporation

Product Support Guide
D137 / D138
Introduction

Model Type	Pro Color MFP
Launch Date	June 01, 2013
Serial Number Prefix	E25 / E26
Product Code	**D137 / D138**

Brand/Model Name

Product Code	Lanier	Ricoh	Savin
D137/D138	Pro C5100S / Pro C5110S	Pro C5100S / Pro C5110S	Pro C5100S / Pro C5110S

Product Concept : The D137 Pro series machines are in the new segment Production Print machines that are called Light Low Production Print Market .This is the real light production printer with compact design like office equipments and high Production Print - based technologies. The D137 Pro series machines realizes small footprint and saves development cost by using common exteriors with D137 Office series machines.. These features will be advantages for PFP and CRD with limited space or cost-sensitive customers. The technologies used for D137 Pro series machines are based on D074 series, in spite of MFP-like appearance.

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New Features

Feature	Description
Chemical Toner	The D137 series adopts new chemical toner in order to enhance image quality and meet the demand of higher image quality in commercial printers.
VCSEL	The D137 series realizes a high image quality of 1200x4800dpi at a low price compared to D074 series by the advanced 40 channel VCSEL
PPG Drive	The D137 series has new OPC drive technology called PPG-Drive. The combination of PPG-Drive and highly precise drive control can keep OPC rotation stable
CVEC	CVEC is a technology to keep ITB speed variation stable and reduce color inconsistency. The de-centering of the driven shaft can be adjusted by monitoring the differences in outputs from the drive shaft encoder and the driven shaft encoder in the ITB unit.
Easy Jam Fix	The front cover of the D137 series is like a drawer and operators can directly access the inner unit. LED lights and jam animations appear when the user opens the drawer to fix paper jam

D137/D138 Pro to D135/D136 Office differences:

Category	Unit	D137/D138 (Pro)	D135/D136 (Office)
Structure	ADF	Non-contact transport	Contact transport
	Operation panel	9-inch separated panel	9-inch panel
	Status Light Pole	Standard	No
Development	PTR	DC and AC Transfer	DC Transfer
	Toner	Color:930g Black:930g	Color:570g Black:910g
Fusing Unit	Fusing	Solid hot roller and belt	Sponge hot roller and belt
	Fusing Cleaning	Fusing belt cleaning web Fusing belt smoothing roller	No
Paper feed Unit	Registration	Double-feed detection	Non double-feed detection
	Bypass	250 sheets	100 sheets

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Functional comparison between D137/D138 Pro and D135/D136 Office

Items	Description	Pro	Office
	D137 series supports DEMS in order to adjust the toner adhesion and banding. When PG between development roller and OPC drum shifts, color inconsistency will occur due to toner adhesion change. D137 series supports DEMS in order to adjust the toner adhesion.	Yes	N/A
	D137 series newly equips fusing belt smoothing roller to improve scratch mark issue. This roller gives press and rub against the belt surface to smoothen the rough part caused by the paper edges.	Yes	N/A
	The web unit for D137 series equips web separating mechanism in order to avoid rolling the cleaning web up to the roller.	Yes	N/A
	In order to improve printing quality on textured media, D137 series equips AC transfer. It can promote more toner transfer to the media by generating better adherence ability between toner and ITB.	Yes	N/A
	Elastic fusing belt has thicker elastic layer to reach the toner on the bottom of the textured media and realizes better fusing by providing stable pressure and heat on the media surface.	Yes	N/A
	To keep image quality and performance on heavy coated media, D137 series supports solid fusing rollers same as Pro C751EX series.	Yes	N/A
	The indicator will light up when feeding paper.	Yes	N/A
	Same as Pro C901 series and Pro C751EX series, D137 series also equips Paper Library to offer customers with easy and simple paper settings on the operation panel.	Yes	N/A
	D137 series is designed with a TCRU/ORU concept.	Yes	N/A

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Main Frame

Item	Model Name	EDP Code	Notes
D137	Lanier Ricoh Savin	404493	
D138	Lanier Ricoh Savin	404497	

NOTE: Order Numbers are provided for reference purposes only. Please use your Pricing Guide for proper order numbers to insure you receive the correct branding emblem.

Order Numbers

Available Features or Options

Item	Description	EDP Code	Product Code	Common / Unique	Notes
SR4090	3000 sheet finisher	416644	D703	C	
SR4100	Booklet Finisher	416645	D704	C	2000 sheet
Jogger Unit M2	Jogger Unit	416631	D705	C	SR4090/SR4100
PU3060	Punch Unit	416612	D706	C	SR4090/SR4100
Cooling Fan Unit Type M2	Fan for the SR4090/SR4100	417005	D770	U	SR4090/SR4100
SR4110	3000 Sheet finisher	416632	D707	C	
Buffer Pass Type 5020	Buffer Pass Unit	404506	D751	U	
Copy Tray M2	Copy Exit Tray	416634	D744	C	Includes Cooling Fan unit
RT4020	A4/LT LCIT	416699	D709	C	
Legal Tray Type M2	8.5 x 14 Tray Kit	416637	D745	C	
RT4030	A3/DLT LCIT	416638	D710	C	
CI4010	Cover Interposer Tray	416639	D711	C	SR4090/SR4100

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Item	Description	EDP Code	Product Code	Common / Unique	Notes
CI4020	2 Tray Cover Interposer	416640	D712	C	SR4110
Tab Sheet Holder Type M2	Tab Sheet Holder	416642	D750	C	
Postscript Unit Type M2	Postscript 3 Unit	416657	D719-10	C	
IPDS Type M2	IPDS option	416660	D719-15	C	
OCR unit Type M2	OCR Unit	416605	D166	C	
IEEE 802.11 Interface M2	IEEE 802.11 Interface Unit	416572	D164	C	
A3/DLT Tray M2	A3/11 x 17 Tray Unit	416641	D749	C	
Netware SD Card Type M2	SD card for Netware Printing	416669	D719-46	C	
Browser Unit Type M2	Browser Unit	416666	D719-41	C	
Color Controller E42B	Fiery Controller	404504	D728	C	
Fiery GA Premium Upgrade for E-42	Fiery option	404583	N/A	C	
FACI furniture Bundle	Fiery option	404421	N/A	C	
Fiery HDD Security	Fiery option	414939	N/A	C	
Color Controller E22B	Fiery Controller	404501	D729	C	
EFI SeeQuence Impose	Fiery option	404336	N/A	C	
Fiery Compose FS-100	Fiery option	404582	N/A	U	
EFI Hot Folders	Fiery option	413315	N/A	U	
Spot-On	Fiery option	413317	N/A	U	
Auto Trapping	Fiery option	413316	N/A	U	

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Item	Description	EDP Code	Product Code	Common / Unique	Notes
Fiery Color Profiler Suite V4.0	Fiery option	007091MIU	N/A	U	
Fiery CPS V4.0 Software only	Fiery option	007096MIU	N/A	U	
Fiery ES-2000 Spectrophotometer	Fiery option	007095MIU	N/A	U	
EFI Productivity Pack	Fiery option	007183MIU	N/A	U	
Brand Plaque Ricoh M2	Branding Plaque Ricoh	404513	D185-00	C	
Brand Plaque Savin M2	Branding Plaque Savin	404514	D185-01	C	
Brand Plaque for Lanier M2	Branding Plaque Lanier	404515	D185-03	C	
PU5000	Punch Unit	412983	B831	C	SR4110
FD4000	Multi Fold Unit	404183	D615	C	
Counter Interface Type A	External Key Counter Interface Kit	413012	B879	C	
Copy Data Security Unit Type G	Copy Data Security Unit	416391	D640	C	
File Format Converter Type E	File Format Converter	414007	D377	C	
IEEE1284 Interface Board Type A	IEEE1284 Interface Board	411699	B679	C	
Unicode Font Package for SAP	SAP License x 1	413009	N/A	C	
Unicode Font Package for SAP	SAP License x 10	413010	N/A	C	
Unicode Font Package for SAP	SAP License x 100	413011	N/A	C	
GBC Streampunch Pro	GBC Punch Unit	404412	VR41	C	
GBC Die set 3 Hole(RB)	GBC Die Set	001450MIU	N/A	C	
GBC Die set Pro 3 hole	GBC Die Set	404415	N/A	C	

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Item	Description	EDP Code	Product Code	Common / Unique	Notes
GBC Die Set 11 Hole (Velobind)	GBC Die Set	001451MIU	N/A	C	
GBC Die Set 19 Hole (Cerlox)	GBC Die Set	001452MIU	N/A	C	
GBC Pro 19 Hole HD Die Set	GBC Die Set	404416	N/A	C	
GBC Die Set 21 Hole (Twin Loop Wire 2:1)	GBC Die Set	001453MIU	N/A	C	
GBC Die Set 32 Hole (Twin Loop Wire 3:1)	GBC Die Set	001454MIU	N/A	C	
GBC Die Set 44 Hole (Color Coil)	GBC Die Set	001455MIU	N/A	C	
GBC Pro 44 Hole HD Die Set	GBC Die Set	404417	N/A	C	
GBC 32 Hole Pro Click Die Set	GBC Die Set	002493MIU	N/A	C	
BK5010e	Production Booklet Maker	404305	N/A	C	
CF5010	Cover Feeder	413102	N/A	C	
TR5010e	Trimmer	404299	N/A	C	
BF5010e	Booklet Folder (Requires Trimmer	404300	N/A	C	
BK5010	Rail Unit	413105	N/A	C	
DU5020	Decurler Unit	404505	D727	U	

Supplies/Yields

Item	Name	Order Code	Target Yield P/J_5%
Ricoh / Lanier/Savin			
Toner Black	Print Cartridge Black	828221	30,000.prints/bottle
Toner Yellow	Print Cartridge Yellow	828222	30,000.prints/bottle
Toner Magenta	Print Cartridge Magenta	828223	30,000.prints/bottle
Toner Cyan	Print Cartridge Cyan	828224	30,000.prints/bottle
Staple Set Cartridge	SR4090/SR4100 – Staple Type V	416709	5000 Staples
Staple Refill Cartridge	SR4090/SR4100 – Staple Type V	416711	5000 Staples x 3
Staple Set Cartridge	SR4100 – Staple Type W (Saddle Stitch)	416710	2000 Staples
Staple Refill Cartridge	SR4100 – Staple Type W (Saddle Stitch)	416712	2000 Staples x 4
Ricoh / Lanier			
Staple Set Cartridge	SR4110 - Staple Type M	413013	5000 Staples
Staple Refill Cartridge	SR4110 – Staple Type M	413026	5000 Staples x 5
Savin			
Staple Set Cartridge	SR4110 - Staple Type M	413016	5000 Staples
Staple Refill Cartridge	SR4110 – Staple Type M	413029	5000 Staples x 5
General			
Waste Toner Bottle	Waste Toner Bottle MP C8002	416889	Waste toner bottle is launched as supply for user's maintenance as well as service parts for CE maintenance. Default setting is User maintenance. Change to CE maintenance can be by SP-mode.
	SP-mode	Service Parts	Waste toner bottle is launched as supply for user's maintenance as well as service parts for CE maintenance. Default setting is User maintenance. Change to CE maintenance can be by SP-mode.

Supply Yield Condition:

ISO/IEC19752 & 3 page per job at 5% coverage is used to measure the above cartridge yields.
The condition is standard temperature and humidity.
This yield number may change depending on the circumstances and printing conditions.
Storage period for toner is 18 months.
Starter ink cartridge yield is ~400 prints, used primarily to initialize ink at installation

Option Compatibility

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1. M2 – LG Tray Kit		X															
2.RT4030 - SRA3 LCIT	X		X														
3. RT4020 - A4/LT LCIT		X															
4. M2 - Copy tray					X	X	X	X	X	X	X	X	X	X	X	X	X
5.SR4090 - 2000 sheet finisher				X		X	X	X	M	X	M	X	M	M	X		
6.SR4100 - Booklet Finisher				X	X			X	M	X	M	X	M	M	X		
7.SR4110 - 3000 sheet Finisher 100 sheet staple				X	X			M		M	M	M			M		
8. CI4020 - 2 Tray Cover Interposer				X	X	X	M										
9. CI4010 - Cover Interposer				X	M	M											
10.GBC Pro				X	X	X	M										
11.FD4000 MF				X	M	M	M										
12 Plockmatic BK5010e				X	X	X	M										
13.M2 Jogger Unit				X	M	M											
14. PU3060Punch unit				X	M	M											
15.PU5000 Punch Unit				X	X	X	M										
16. Buffer Pass Type 5020				X													
17. Decurler DU5020				X													

X: Cannot be installed together **M**: Must be installed together in RAC Market

MFP Option Compatibility

	1	2	3	4	5	6	7	8	9	10	11
1. Type M2 - Postscript 3			X								
2. Type M2 - IPDS			X								
3. E22B - Fiery Embedded Controller	X	X		X		X	X				
4. Type M2 - IEEE802.11a/b/g/i/w/n			X				X	X			
5. N/A											
6. Type M2 - Netware			X								
7. Type A - IEEE 1284			X	X				X			
8. Type E - File Format Converter				X			X				
9 Type M2 – OCR Unit											
10. Type M2 - Smart Card Reader											
11.Type M2 – Browser Unit											

X: Cannot be installed together **M**: Must be installed together in RAC Market

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Serial Number Information

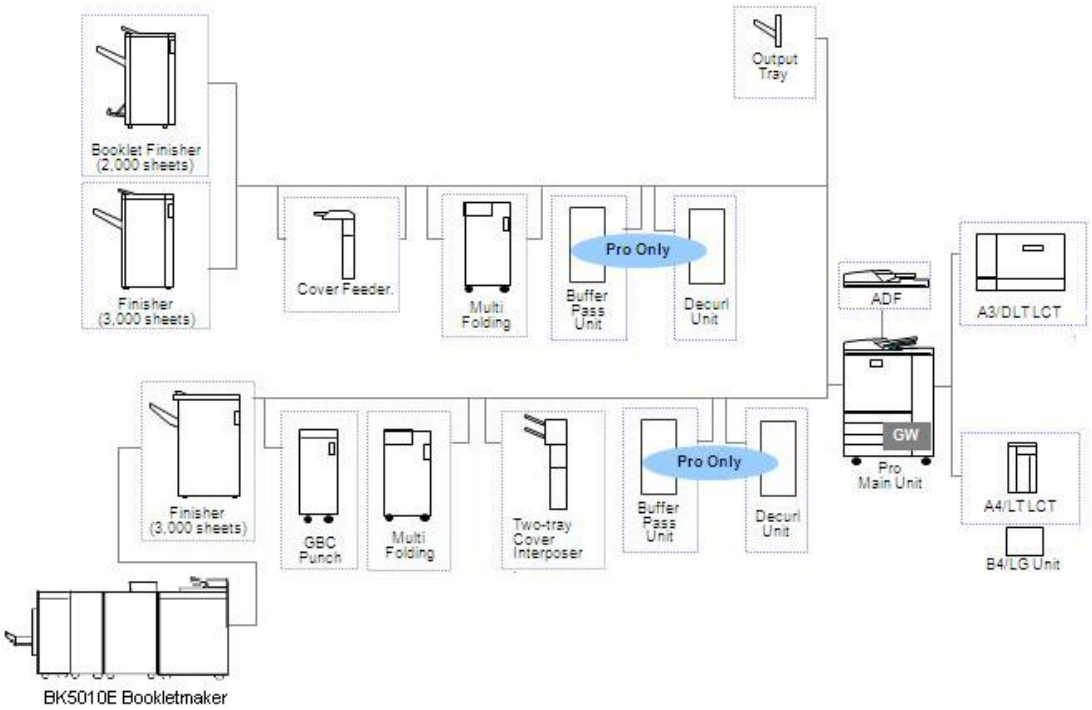
Product Name	Product Name	Serial Number
Ricoh: Pro C5100S	D137-17	E25yfmxxxxx
Savin: Pro C5100S		
Lanier: Pro C5100S		
Ricoh: Pro C5110S	D138-17	E26yfmxxxxx
Savin: Pro C5110S		
Lanier: Pro C5110S		

Branding Information

Branding is required as the machines are shipped as a generic version.
Ricoh version machines: You must attach the model label (provided) to the front cover.
Savin/Lanier: You must attach the model label (provided) to the front cover and set the Plug and Play name with SP 5-907.

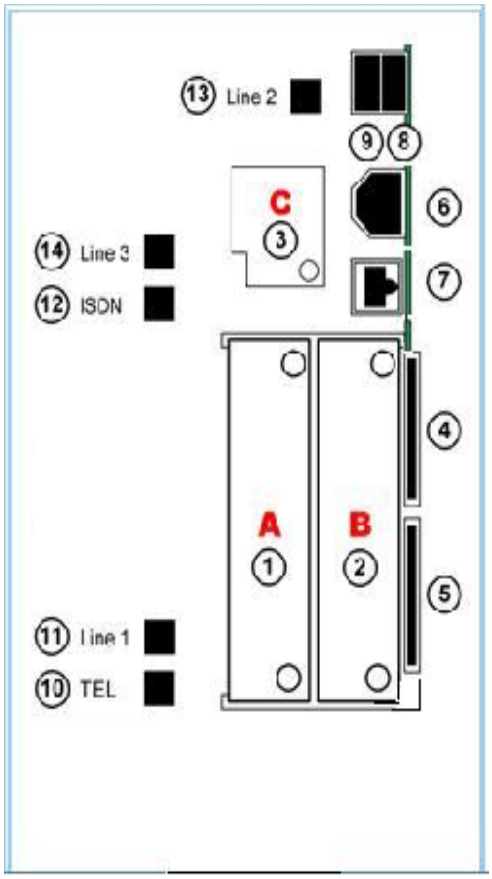
Configuration

Main Frame Configuration



MFP Options

MFP Option Board Slot / SD Card Assignments



No.	Name	Description
①	Slot A	
②	Slot B	▪ IEEE1284 (B679) ▪ File Format Converter ▪ IEEE802.11a/g (D164) ▪
③	Slot C	• Gigabit Ethernet
④	Upper Slot (Slot 1)	• Remote Fax Option • Netware (D719-) • Postscript(D719) • IPDS(D719-) ▪ Browser Unit (D719-) ▪ OCR
⑤	Lower Slot (Slot 2)	• Service Slot
⑥	USB 2.0	• Built-in for connection of USB devices.
⑦	100BaseT LAN	• Standard LAN connection point.
⑧	USB A	• N/A
⑨	USB B	
⑩	TEL	Jack for telephone connection
⑪	Line 1	Jack for main telephone line from the outside for connection to Fax Option (D356).
⑫	ISDN	Jack for ISDN connection **Japan Only**
⑬	Line 2	Jack for a 2nd line connection to G3 Interface Unit Type C7500 (D357) when this option is installed.
⑭	Line 3	Jack for a 3rd line connection to G3 Interface Unit Type C7500 (D357) when this option is installed.

Board Slots

Note - Fax Slots are not used in the D137/D138 Models

Installation

Installation Requirements

Temperature Range:	10° C to 32° C (50° F to 89.6° F)
Humidity Range:	15% to 80% RH
Ambient Illumination:	Less than 1,500 lux (do not expose to direct sunlight)
Ventilation:	3 times/hr/person
Ambient Dust:	Less than 0.10 mg/m^3
Avoid areas exposed to sudden temperature changes:	
	• Areas directly exposed to cool air from an air conditioner.
	• Areas directly exposed to heat from a heater.
Do not place machine where it will be exposed to corrosive gas or vapor.	
Do not install the machine at any location over 2,000m (6,500 ft.) above sea level.	
Place the machine on a strong and level base. Inclination on any side should be no more than 5mm (0.2”)	
Do not place the machine where it may be subject to strong vibrations.	
Machine level	• Front to back: within 5mm (0.2”) of level
	• Right to left: within 5mm (0.2”) of level

Power Requirements

Line voltage level:
D137 / D138: 208 to 240V 60 Hz 12A
Permissible voltage fluctuation: +/-10%
Never set anything on the power cord.

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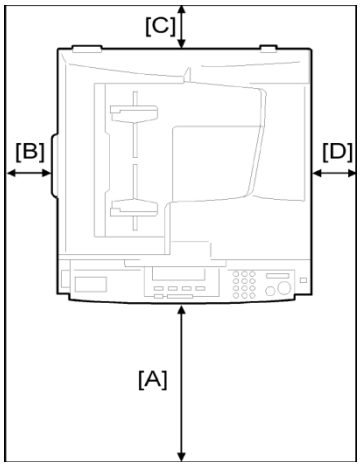
Space



A (Front)	28”
B (Left)	4”
C (Rear)	4”
D (Right)	35.5”

The recommended 40 cm (15.7in) front space is sufficient to allow the paper tray to be pulled out. Additional the front space is required to allow operators to stand at the front of the machine.

Machine Level

Front to back – Within 5 mm (0.2” of level
Right to left– Within 5 mm (0.2” of level

Foot Print

Dimensions (W x D x H): 29.5” x 34.6” x 48.4” (750mm x 880mm x 1,230mm)

NOTE: Measurement Conditions: With bypass feed table closed, optional PTU and without ARDF, from the ground to the contact glass.

Installation Requirements

Temperature Range: 10°C to 32°C (50°F to 90°F)
Humidity Range: 15% to 80% RH
Ambient Illumination: Less than 1,500 lux (do not expose to direct sunlight.)
Ventilation: Room air should turn over at least 30 m3/hr/person
Ambient Dust: Less than 0.10 mg/m3 (2.7 x 10/6 oz/yd3)
1. Avoid areas exposed to sudden temperature changes:
1) Areas directly exposed to cool air from an air conditioner.
2) Areas directly exposed to heat from a heater.
2. Do not place the machine where it will be exposed to corrosive gases.
3. Do not install the machine at any location over 2,000 m (6,500 ft.) above sea level.
4. Place the main machine on a strong and level base. Inclination on any side should be no more than 5 mm (0.2").
5. Do not place the machine where it may be subjected to strong vibrations.

Power Consumption / Noise Emission

Power Consumption

Mode	Model	Wattage	BTU/hr
Full Option Max Power	D137	1920	6551.3
	D138	2400	8189.1
Operating Power	D137	1443	4923.7
	D138	1425.8	4865
Low Power	D137	190.5	650
	D138	198.8	678.3
Sleep Mode	D137	0.59	2.01
	D138	0.68	2.32
TEC (Typical Electricity Consumption)			
Model		**Wh**	
D137		5088	
D138		6373	

Noise Emission

Mainframe			
Sound Power Level	**Db**	**Sound Power Level**	**Db**
Stand-by D137	52.5	Copying D137	72
Stand-by D138	57	Copying D138	73
Full System			
Sound Power Level	**Db**	**Sound Power Level**	**Db**
Stand-by D137	52.5	Copying D137	76
Stand-by D138	57	Copying D138	76.5
Mainframe			
Sound Pressure Level	**Db**	**Sound Pressure Level**	**Db**
Stand-by D137	49.5	Copying D137	66
Stand-by D138	49.5	Copying D138	66.5
Full System			
Sound Pressure Level	**Db**	**Sound Pressure Level**	**Db**
Stand-by D137	49.5	Copying D137	70
Stand-by D138	49.5	Copying D138	70.5

NOTE: The above measurements were made in accordance with ISO 7779. The measurements were taken from the normal position of the operator.

Installation Times

Unit	Installation Time (Minutes)	Unit	Installation Time (Minutes)
Finisher SR4090 / Booklet Finisher SR4100	25	Card Reader Bracket Type1075	4 min
Output Jogger Unit Type M2	10	Key Counter Bracket Type1027	3 min
Punch Unit for SR4090/SR4100	20	SD card for NetWare printing Type M2	5
Finisher SR4110	25	PostScript3 Unit Type M2	5
Punch Unit for SR4100	20	IPDS Unit Type M2	5
		Browser Unit Type M2	5
Copy Tray Type M2	20	OCR Unit Type M2	5
LCIT RT4020	20	Unicode Font Package for SAP(R) 1/10/100 License	5
8 1/2" x 14" PAPER SIZE TRAY Type M2	25	SD Card for Fonts Type D	5
LCIT RT4030	25	Data Overwrite Security Unit Type H	5
Cover Interposer Tray CI4010	20	Copy Data Security Unit Type G	5
Cover Interposer Tray CI4020	25	File Format Converter Type E	5
A3/11"x17" Tray Unit Type M2	6	IEEE 1284 Interface Board Type A	5
Tab Sheet Holder Type M2	1	IEEE 802.11a/g/n Interface Unit Type M2	5
Multi-Folding Unit FD4000	25	Color Controller E-22B	40
Optional Counter Interface Unit Type A	4	Color Controller E-42B	60

Parts / Special Tools / Maintenance
PM Parts / Yields

Mainframe

Part # of the PM Kit: PMD137300K
Part # of the PM KIT:PMD137600K

Unique/Common
U: Unique for this model
C: Common with listed model

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common
Photo Conductor Development Unit				
D1363431	FILTER:DEVELOPMENT	4	600k	U
D1362365	CLEANING BLADE:ASS'Y	4	300k	U
D1362401	OIL SUPPLY ROLLER	4	300k	U
D1362408	GEAR:24Z:RIGHT	4	300k	U
D1362411	COATING BAR ASS'Y.	4	300k	U
D1362441	BLADE:APPLY:ASS'Y	4	300k	U
D1362461	GEAR:18Z:RIGHT	8	300k	U
D1362462	GEAR:IDLER:19Z:LEFT	4	300k	U
D0742503	GEAR:IDLER:31Z:LEFT	4	300k	C
D1382204	CHARGE UNIT:PRO ASS'Y	4	300k	U
D0742459	JOINT:CLEANING UNIT	4	300k	C
D1362368	SEAL:CLEANING BLADE:FRONT	4	300k	U
D1362369	SEAL:CLEANING BLADE:REAR	4	300k	U
D1362446	SEAL:BLADE:APPLY:FRONT	4	300k	U
D1362447	SEAL:BLADE:APPLY:REAR	4	300k	U
D0749510	OPC DRUM DIA60	4	1,200k	C
D1369640	DEVELOPER BLACK	1	600k	U
D1369660	DEVELOPER CYAN	1	600k	U
D1369670	DEVELOPER MAGENTA	1	600k	U
D1369680	DEVELOPER YELLOW	1	600k	U
Image Transfer Belt Unit				
D1366090	FLAT BELT-TRANSFER:ASS'Y	1	900k	U
D1361207	GEAR:INTERMEDIATE TRANSFER:ASS'Y	1	1,200K	
D0746158	ROLLER:INTERMEDIATE TRANSFER:ASS'Y	4	1,200k	C
D1366186	ROLLER:OPPOSED:PAPER:ASS 'Y	1	1,200k	U
Paper Transfer Roller Unit				
D1366250	TRANSFER ROLLER:ASS'Y	1	600k	U
D1366260	SEPARATION CORONA:ASS'Y	1	600k	U
ITB Cleaning Unit				
D0746424	BLADE:CLEANING:BELT CLEANING:ASS'Y	1	600k	C
D0746446	BRUSH:APPLY:BELT CLEANING	1	600k	C

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common
D0746450	COATING BAR:ASS'Y	1	600k	C
D0746457	BLADE:APPLY:ASS'Y	1	600k	C
Fusing Unit				
AE030059	BALL BEARING MM20xMM32x7	4	600k	C
AE010115	HOT ROLLER:DIA52	1	600k	U
D1384181	FLAT BELT-FUSING:DIA75:SEAL	1	600k	U
AE045059	WEB:SUB-ASS'Y	1	300K	U
D0744333	ROLLER:PLATE	1	300K	C
D0744300	SPRING PLATE:CLEANING UNIT:FUSING	1	300K	C
D1384063	ROLLER:POLISH:FLAT BELT-FUSING:ASS'Y	1	300K	U
Filters				
D1386953	DEODORIZE FILTER:LARGE	1	1,200k	U
D1386956	DEODORIZE FILTER:SMALL	1	1,200k	U
D1386935	FILTER:DEVELOPMENT:EXHAUST:LARGE	1	600k	U
D1366917	FILTER:DEVELOPMENT:EXHAUST:SMALL	1	300k	U
D1386938	OZONE FILTER:SMALL	1	1,200k	U
Paper Feed				
AF031073	PAPER FEED ROLLER	1	Max 1000k	C
AF030094	PICKUP ROLLER	1	Max 500k	C
AF032073	SEPARATION ROLLER	1	Max 500k	C
Bypass				
AF030049	PAPER FEED ROLLER	1	Max 1000k	C
AF031046	PICKUP ROLLER	1	Max 160k	C
AF032046	SEPARATION ROLLER	1	Max 160k	C
ADF				
D5412121	PAPER FEED BELT	1	120k	C
D6832228	PICKUP ROLLER	1	120k	C
D5412241	REVERSE ROLLER:PAPER FEED	1	120k	C

Options
Cover Interposer Tray CI4010

Part Number	Description	Q'ty /Unit	PM Interval : Km (feet)	Unique or Common
A8061295	FEED BELT	1	60k	C
A8592241	REVERSE ROLLER	1	60k	C
B4772225	PICK-UP ROLLER	1	60k	C

Cover Interposer Tray CI4020

Part Number	Description	Q'ty /Unit	PM Interval : Km (feet)	Unique or Common
A8061295	FEED BELT	1	60k	C
A8592241	REVERSE ROLLER	1	60k	C
B4772225	PICK-UP ROLLER	1	60k	C

LCIT RT 4020

Part Number	Description	Q'ty /Unit	PM Interval : Km (feet)	Unique or Common
AF030080	PAPER FEED ROLLER:PICKUP	1	1,000k	C
AF031083	PAPER FEED ROLLER:FEED:MANUAL FEED	1	1,000k	C
AF032080	PAPER FEED ROLLER:SEPARATE	1	1,000k	C

LCIT RT4030

Part Number	Description	Q'ty /Unit	PM Interval : Km (feet)	Unique or Common
AF030071	PICK-UP ROLLER	1	300k	C
AF031071	PAPER FEED ROLLER:FEED	1	300k	C
AF032041	SEPARATION ROLLER - BYPASS FEED	1	300k	C

Finisher SR4090 / Booklet Finisher SR4100

Part Number	Description	Q'ty /Unit	PM Interval : Km (feet)	Unique or Common
D6883790	GATHERING ROLLER: SPONGE	2	3,000K	U

Finisher SR4110

Part Number	Description	Q'ty /Unit	PM Interval : Km (feet)	Unique or Common
B4782116	REVERSE ROLLER- STAPLER TRAY	1	2,500K	C(*7)
B8303503	SPONGE GATHERING ROLLER	2	3,000K	C(*7)

TCRU/ORU Parts List

Set A D861-17 EDP 404588

Part Number	Description	Q'ty/ Unit	PM Interval	Notes
D1382203	CLEANING UNIT:PRO:ASS'Y	4	300K	
D1382204	CHARGE UNIT:PRO:ASS'Y	4	300K	
D1366400	BELT CLEANING:ASS'Y	1	300K	
D1366250	TRANSFER ROLLER:ASS'Y	1	600K	
D1386259	SEPARATION CORONA:PRO:ASS'Y	1	600K	
D1384058	WEB:CLEANING UNIT:ASS'Y	1	300K	
D1366935	FILTER:DEVELOPMENT:EXHAUST :LARGE	1	600K	Filter
D1366917	FILTER:DEVELOPMENT:EXHAUST :SMALL	4	300K	
AF030094	PAPER FEED ROLLER:PICKUP	3	Max 1,000K	Mainframe
AF031094	PAPER FEED ROLLER:FEED	3	Max 500K	
AF032094	PAPER FEED ROLLER:SEPARATE	3		
AF030049	PAPER FEED ROLLER:PICKUP	1	Max 1,000K	Bypass
AF031046	ROLLER:FEED:MANUAL FEED	1	Max 160K	
AF032046	PAPER FEED ROLLER:SEPARATE	1		
D5412121	PAPER FEED BELT	1	120K	ADF
D5412241	REVERSE ROLLER:PAPER FEED	1		
D6832228	PICKUP ROLLER	1		
D0747690	BRUSH:BLOWER	1	-	
D8378612	DRIVER:TCRU	1	-	

Set B D862-17 EDP 404589

Part Number	Description	Q'ty/ Unit	PM Interval	Notes
D1384170	FUSING UNIT:PRO:ASS'Y	1	600K	
D1384058	WEB:CLEANING UNIT:ASS'Y	1	300K	
D1384063	ROLLER:POLISH:FLAT BELT-FUSING:ASS'Y	1	300K	
D8378612	DRIVER:TCRU	1	-	

Special Tools & Lubricants

Item	Part Number	Description	Q'ty	Unique or Common
1	D0159501	ZINC STEARATE	1	C
2	D0159500	G104 YELLOW TONER	1	C
3	VSSG9002	FLUOTRIBO MG GREASE : 100G	1	C
4	B6455020	SD Card	1	C
5	C4019503	20X Magnification Scope	1	C
6	A0929503	C4 Color Test Chart (3 pcs/set)	1	C
7	A2579300	Grease Barrierta – S552R	1	C
8	A1849501	OPTICS ADJUSTMENT TOOL	2	C
9	D0747690	BRUSH:BLOWER	1	C
10	D0149800	GREASE-KS660B	1	C
11	D1383499	Funnel	1	U
12	D1382498	PCDU stand	1	U
13	D1382150	Laser Glass Cleaner	1	U

Product Support Guide
D137 / D138

Target Reliability

Model	D137 / D138
Average Monthly Volume	**D137**: 20k **D138:** 30k
Max. Monthly Volume	150K
Color Ratio	70%
PM Interval	300k

Specifications / Documentation

Mainframe		**Remarks**
Configuration	Console	
Scanning Element	Flatbed with moving 3-line CCD array Image-scanning	
Printing Process	4-Drum Dry Electrostatic Transfer System with internal transfer belt	
Development	Dry two-component magnetic brush development system	
Fusing	Fusing belt type	
Max Image Area	323 x 480mm / 12.71" x 18.90in.	Max feedable paper size: 13" x 19.2"
Warm-up Time (From main switch)	60 sec. From main power on. At 20 degrees C, 68 degrees F.	
FCOT	65ppm model - less than 9.2 sec for BW / less than 10.6 sec for Color 80ppm model - less than 8.1 sec for BW / less than 9.6 sec for Color	Conditions met.
CPU	1.86 ghz	Intel® Celeron® Processor P4505
RAM	2.5 GB	
HDD	250 x 2 GB	250GB x 2 on board, 187.5GB each available
Power Source	D137: 120-127V/16A, 60Hz / D138: 208-240V/12A, 60Hz	
Max Power Consumption	D137: 1,920W or less / D138: 2,400W or less	Full Configuration
Dimension	750 x 880 x 1,230mm / 29.5" x 34.6" x 48.4"in	Height includes ADF
Weight	Less than 241kg / Less than 531	Weight includes ADF
Auto Off Timer	Yes, 1 – 240 min.	Default 1 hour
Energy Saver Timer	Yes, 1 – 240 min.	Default 15 minutes
Panel Off Timer	No	Not Available
System Reset Timer	Yes, 10 – 999 sec. – Default - Copy/Document Server/Printer/Scanner: 1min / Fax: 30sec	
CPM Black / Color	D137 : 65, D138 : 80	
Copy Resolution	600dpi / 4bit	
Multiple Copying	Up to 9999 copies	

<table>
<tr><th>Mainframe</th><th>Remarks</th></tr>
<tr><td>Reproduction Ratio</td><td>
<table>
<tr><td></td><td>NA</td><td>EU/AP/CHN</td></tr>
<tr><td rowspan="7">Reduce</td><td>93%</td><td>93%</td></tr>
<tr><td>85%</td><td>87%</td></tr>
<tr><td>78%</td><td>82%</td></tr>
<tr><td>73%</td><td>71%</td></tr>
<tr><td>65%</td><td>61%</td></tr>
<tr><td>50%</td><td>50%</td></tr>
<tr><td>25%</td><td>25%</td></tr>
<tr><td rowspan="5">Enlarge</td><td>121%</td><td>115%</td></tr>
<tr><td>129%</td><td>122%</td></tr>
<tr><td>155%</td><td>141%</td></tr>
<tr><td>200%</td><td>200%</td></tr>
<tr><td>400%</td><td>400%</td></tr>
</table>
</td><td></td></tr>
<tr><td>Zoom</td><td>From 25% to 400% in 1% step</td><td></td></tr>
<tr><td>Number of Copy Jobs</td><td>8</td><td></td></tr>
<tr><td>Image Density</td><td>Auto, Manual</td><td></td></tr>
<tr><td>Color Mode</td><td>Default = Black & White Mode
Auto Color Selection (ACS)
Full Color
Black & White
Single Color (Default: not indicated)
Preset: 12 colors x4 Density (Default = Red),
User color: 15 colors x4 Density
Two Color (Default: not indicated)
- Black and Other Color
- Red and Black</td><td></td></tr>
<tr><td>Copy Mode</td><td>Default = Auto Text & Photo Separation
(Printed/Glossy/Copied)
Auto Text & Photo Separation
(Printed/Glossy/Copied)
Photo (Printed/Glossy/Copied)
Text
Map
Pale
Generation
Highlight Pen
Inkjet</td><td></td></tr>
<tr><td rowspan="2">Paper Selection</td><td>Tray 1
[Paper Type]
Plain Paper (Not Displayed as Paper Type), Recycle Paper, Color Paper, Special Paper 1-3, Letterhead, Preprinted Paper, Pre-punched Paper, Bond Paper, Cardstock

[Thickness]
Thin Paper, Plain Paper 1, Plain Paper 2, Middle Thick, Thick Paper 1, Thick Paper 2, Thick Paper 3, Thick Paper 4</td><td></td></tr>
<tr><td>Trays 2/3
[Paper Type]
Plain Paper (Not Displayed as Paper Type), Recycle Paper, Color Paper, Special Paper 1-3, Letterhead, Preprinted Paper, Pre-punched Paper, Bond Paper, Cardstock, Tab stock*, Envelope
[Thickness]
Thin Paper, Plain Paper 1, Plain Paper 2, Middle</td><td>*Option needed to print/copy tab stock.</td></tr>
</table>

Mainframe		Remarks
	Thick, Thick Paper 1, Thick Paper 2, Thick Paper 3, Thick Paper 4 *For Tab stock & Envelope: Middle Thick, Thick Paper 1, Thick Paper 2, Thick Paper 3, Thick Paper 4	
	Bypass tray [Paper Type] Plain Paper (Not Displayed as Paper Type), Recycle Paper, Color Paper, Special Paper 1-3, Letterhead, Preprinted Paper, Pre-punched Paper, Bond Paper, Cardstock, Tab stock, Envelope, OHP, Label [Thickness] Thin Paper, Plain Paper 1, Plain Paper 2, Middle Thick, Thick Paper 1, Thick Paper 2, Thick Paper 3, Thick Paper 4 *For Tab stock & Envelope: Middle Thick, Thick Paper 1, Thick Paper 2, Thick Paper 3, Thick Paper 4	
Auto Tray Switch	Yes	
Duplex	1 sided to 2 sided, 2sided to 2 sided(w/ARDF), Book to 2 sided, Front and Back to 2 sided	
Book	Booklet, Magazine, and Layout & Booklet modes	
Series	Book to simplex, 2 sided original to simplex	
Combine	2 into 1 simplex, 4 into 1 simplex, 8 into 1 simplex	
	1 duplex into 1 simplex, 2 duplex into 1 simplex, 4 duplex into 1 simplex	
	4 into 1 duplex, 8 into 1 duplex, 16 into 1 duplex	
	2 duplex into 1 duplex, 4 duplex into 1 duplex, 8 duplex into 1 duplex	
Image Rotation	Yes	
Electronic Sort	Without Shift Sort - Yes (only without Finisher)	
	Rotate Sort - Yes	
	Shift Sort - Yes (only with Finisher)	
Stapling	Yes (with Finisher)	
Color Creation	Color Conversion - Up to 4 colors. Selectable from: Preset: 12 colors, Black, User color: 15 colors	
	Color Erase	
	Color Overlay - former "Color Background"	
Image Creation	Repeat, Double Copy, Mirror, Positive/Negative, Erase Inside, Erase Outside	
Stamp/Numbering	Preset Stamp, User Stamp, Date Stamp, Page Number, Bates Numbering(Stamp Text), Printing copy prevention pattern	
ACC	Yes	
Background Density Adjustment	Yes	
Under Color Removal (UCR) Adjustment	Yes	
Text & Photo Separation Sensitivity Adjustment	Yes	
Job Programs	25	
Job Preset	8	
User Codes	8 digits / 1000 user codes	

Paper Handling		Remarks
Paper Feeding Capacity (LT/A4)	Standard - Total: 3,700 Tray: 1,250 x 2 (tandem) + 550 x 2 Bypass Tray: 100	Sheets

Paper Handling		Remarks
	Maximum - 7,700 (with A4/LT LCT)	Sheets
	Option - A4/LT LCT: 4,400 / A3/DLT LCT: 2,200	Sheets
Paper Output Capacity (LT/A4)	Standard – TBD (Copy Tray Option)	
	Maximum - 3,500sheets (3,000 sheets finisher. 3,000sheets on proof tray + 500sheets on shift tray)	
	Option - 3000 sheets finisher with 65 staple 3,000sheets(A4 LEF,LT LEF) 1,500sheets(A3 SEF,A4 SEF,B4 SEF,B5, DLT,LG,LT SEF, 13 x 19.2" SEF,SRA3 SEF, 12 x 18"SEF) 500sheets(A5 LEF) 100sheets(A5 SEF,B6 SEF,HLT SEF,A6 SEF) 2000 sheets finisher with saddle stitch staple 2,000sheets(A4 LEF,LT LEF) 1,000sheets(A3 SEF,A4 SEF,B4 SEF,B5, DLT,LG,LT SEF, 13 x 19.2" SEF, SRA3 SEF,12 x 18"SEF) 500sheets(A5 LEF) 100sheets(A5 SEF,B6 SEF,HLT SEF,A6 SEF) 3000 sheets finisher with 100 staple 3,000sheets(A4 LEF,B5 LEF,LT LEF) 1,500sheets(A3 SEF,A4 SEF,B4 SEF,B5 SEF, DLT,LG,LT SEF) 1,000sheets(,13 x 19.2" SEF,12 x 18"SEF) 500sheets(A5 LEF,HLT LEF) 100sheets(A5 SEF,HLT SEF) 9-Bins Mail Box 100 sheets x 9bins	
Paper Weight	Standard tray - 52.3 – 256 g/m2	
	A4/LT LCIT - 52.3 – 216 – g/m2	
	A3/DLT LCIT - 52.3 – 300 – g/m2	
	Bypass - 52.3 – 300 – g/m2	
	Duplex - 52.3 – 256 – g/m2	

Printer Specifications		Remarks
PDL	Standard - PCL5c / PCL6(XL), PDF	
	Option - Adobe PostScript3, IPDS	
Print Resolution	Max - 1200 x 4800 dpi	
	PCL5c - -300 (1bit, Only B/W mode) -600 (1, 2, 4bit) <Gradation *> Fast (1bit) / Standard (2bit) / Fine (4bit)	*With the combination of 'Resolution' and 'Gradation' or 'Printing Mode' settings in printer drivers, the variation of print resolutions are as listed.
	PCL6 -600 (1, 2, 4bit) -1200 (1, 2bit)	The resolution selectable from printer driver and the result is as follows: - 600 x 600dpi (600dpi 1bit) - 2400 x 600dpi (600dpi 2 bit) - 9600 x 600dpi (600dpi 4bit) - 1200 x 1200dpi (1200dpi 1bit) - 4800 x 1200dpi (1200dpi 2bit)
	PS3 -600 (1, 2, 4bit) -1200 (1, 2bit)	
	XPS -600 (1, 2, 4bit) <Printing Mode *> Standard	*With the combination of

Printer Specifications		Remarks
	(1bit) / Quality Preference (2bit) / High Quality (4bit) - 1200 (1bit) <Printing Mode *> Standard (1bit)	'Resolution' or 'Printing Mode' settings in printer drivers, the variation of print resolutions are as listed. **We highly recommend applying ServicePack1 to Windows Vista before using XPS driver.
	IPDS -300 (1bit) -600 (1bit)	Only for B&W printing.
Fonts	Standard - PCL: Scalable 45 fonts + International 13 fonts* PDF: 136 Roman fonts	Cyrillic (Russian), Greek, Hebrew and Arabic are included in International Fonts.
	Option – IPDS : 108 Roman fonts	
Host Interfaces	Standard - Ethernet (1000Base-T*/100Base-X/10Base-T), USB2.0 Type A (2 port on back of machine, 1 port on operation panel), USB2.0 Type B, SD slot on operation panel	*Ethernet 1000Base-T in on boarded but needs to be selected by user
	Option - IEEE1284/ECP Wireless LAN (IEEE802.11a/b/g/n) Bluetooth	Bluetooth can not be used on USB port on operation panel. Wireless LAN and Bluetooth option can not be used at the same time.
Network Protocol	TCP/IP (IP v4, IP v6), IPX/SPX*	*NetWare Option needed
Standard MIB	MIB-II(RFC1213),HostResource(RFC1514), PrinterMib(RFC1759), Printer Port Monitor MIB	
Network/Operating System	Windows XP/Vista/7/Server 2003/Server 2008/Server 2008R2 Netware 6.5* Unix; Sun Solaris, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX Mac OS X v.10.2 or later SAP R/3, NDPS Gateway IBM iSeries/ AS/400-using OS/400 Host Print Transform	*Netware Option is required.

Scanner Specifications		
Color Scan	Standard	
Scanning Speed (single pass duplex DF)	B&W - 100(simplex)/200(duplex) (A4/LET LEF / 200dpi/300dpi-1bit)	
	Color - 100(simplex)/200(duplex) (A4/LET LEF / 200dpi-4bit / 300dpi-4bit)	
Scanning resolution	Standard - 100 / 150 / 200 / 300 / 400 / 600	200 dpi = Default
Auto Size Detection	Platen Glass - 11"x17"(DLT) SEF, 8 ½"x14"(LG) SEF, 8 ½"x11"(LT) LEF/SEF, 8 1/2"×5 1/2"(HLT) LEF, *SP mode adjustment is required : 8 1/2"×5 1/2"(HLT)SEF	
	ARDF - 11"x17" (DLT)SEF, 8 ½"x14" (LG)SEF, 8 ½"x11"(LT) LEF/SEF, 5 ½"x8 ½"(HLT) LEF/SEF, 8 1/2"×13"(Foolscap) SEF 10"x14"SEF,11"x15"SEF (detected the same as DLT SEF, Default = DLT SEF),8"x10"SEF (detected the same as LT SEF,Default = LT SEF),7 1/4"x10½"(EXE) LEF/SEF	*Some of the supported paper sizes can be activated by SP mode.
Scan Area	Main Scan - 297mm / Sub Scan - 432mm	
sRGB Support	Standard	
Network Interface	Ethernet(1000Base-T*/100Base-TX/10Base-T), Wireless LAN (IEEE802.11a/b/g/n), USB2.0 Type A, SD	*Ethernet 1000Base-T in on boarded but needs to be

Scanner Specifications		
	card slot*	selected by user. *Scan to USB/SD Card is available.
Protocol	Network: TCP/IP Sending E-mail: SMTP, POP, IMAP4 Scan to Folder: SMB, FTP, NCP* Web Services on Devices for Scanning	*Optional
Compression Method	B & W - 1bit(MH, MR, MMR, JBIG2*), Grayscale(JPEG)	**PDF format only
	Color - JPEG	
Scan Mode	Network: TCP/IP Sending E-mail: SMTP, POP, IMAP4 Scan to Folder: SMB, FTP, NCP* Web Services on Devices for Scanning	
Image Density	Auto Density Selection(Effective in BW/Grayscale and FC scan mode) Manual: 7 levels (Effective in BW/Grayscale and FC scan mode)	
Image Rotation, SADF/Batch Mode, Mixed Size Mode, Reduce and Enlarge, Split scan from Booklet type original, Digital Signature for PDF are all standard.		
File Format	Data / Compression Method	Compression On / Off
Single Page TIFF	BW 1bit / (MH, MR or MMR)	On
	BW 1bit, BW Grayscale or Full Color	Off
Multi Page TIFF	BW 1bit /(MH, MR or MMR)	On
	BW 1bit, BW Grayscale or Full Color	Off
Single Page JPEG	BW Grayscale or Full Color / (JPEG)	On
	N/A	Off
Single Page PDF	BW 1bit / (MH, MR, MMR or JBIG2), BW Grayscale / (JPEG), Full Color / (JPEG)	On
	BW 1bit, BW Grayscale or Full Color	Off
Multi PagePDF	BW 1bit / (MH, MR, MMR or JBIG2), BW Grayscale / (JPEG), Full Color / (JPEG)	On
	BW 1bit, BW Grayscale or Full Color	Off
Single Page High Compression PDF	BW Grayscale / (JPEG or JPEG2000), Full Color / (JPEG or JPEG2000)	On
	N/A	Off
Multi Page High Compression PDF	BW Grayscale / (JPEG or JPEG2000), Full Color / (JPEG or JPEG2000)	On
	N/A	Off
Single Page PDF-A	BW 1bit / (MH, MR, MMR or JBIG2), BW Grayscale / (JPEG), Full Color / (JPEG)	On
	BW 1bit, BW Grayscale or Full Color	Off
Multi Page PDF-A	BW 1bit / (MH, MR, MMR or JBIG2), BW Grayscale / (JPEG), Full Color / (JPEG)	On
	BW 1bit, BW Grayscale or Full Color	Off

Scan to E-mail Specifications		
Requirement (Mail Protocol, Transmission Protocol, Protocol)	SMTP (Mail Server) Gateway and TCP/IP	
Authorization Function	SMTP authentication - POP before SMTP auth.	
Resolution	Std. 100/150/200/300/400/600 dpi - Default 200 dpi	
Max Email Address in HDD	2000	
Register Group Address in HDD	Max. 100 Group (Max. 500 addresses in one group address)	
Maintain Email Address in HDD	Direct input on operation panel, Web Image Monitor, Smart Device Monitor for Admin	
Input of Destination E-mail Address via Soft Key	Possible, Max. 100 destinations per job	

Scan to E-mail Specifications		
Search method of Email Address in HDD	By name and E-mail address	
LDAP Search	Yes	
Max Address Numbers Per Send	Max. 500 addresses per send *	*Address from HDD address book + Address input via soft key + Address looked up via LDAP = Max.500.
Address Numbers Per Send	From HDD - Max 500 *	*Address from HDD address book + Address input via soft key + Address looked up via LDAP = Max.500.
	Direct Input – Max 100*	*You can specify 100 destinations by direct entry, including LDAP search.
	Via LDAP – Max 100*	*You can specify 100 destinations by direct entry, including LDAP search.
	Simultaneous Transmission – Max 550	
Email Size	with Restriction - 128 - 102,400KB	
	w/o Restriction - 725MB	
Input Subject	Manual - Max 80 Characters, 5 lines	
	User Pre-register - Title name of the body message: Max. 20 characters per a name	
Input Main Body Text	Manual - Max 80 Characters, 5 lines	
	User Pre-register - Title name of the body message: Max. 20 characters per a name	
	Preset - Message: "This e-mail included attached file sent from xxxx(machine model name)."	
File Type	Single Page - TIFF/JPEG/PDF/PDF-A/High Compression PDF Multi Page - TIFF/PDF/PDF-A/High Compression PDF	
Program User Settings	Up to 25 programs	
Divide and send Email (If the file size exceed the max size.)	Yes (By page or size) / No, Default = Yes(By size) *	*If the sent file size exceeded the maximum E-mail size, it would be divided to multiple sending. In addition, the sent files might not be accepted by the receiving side due to the limitation in the receiving capacity at the receiver SMTP server or E-mail software setting.
Resend	Yes / No, Default = Yes	
Input File Name	Yes	
Attention	To, cc, bcc	

Scan to Folder Specifications		
Protocol Support	SMB, FTP, NCP*	*Optional
Security	Client folder log-in (log-in name and password), Encryption of log-in nameand password during transmission	
Resolution	Standard - 100/150/**200**/300/400/600	Default = 200
Register client folder address in HDD	Max. 2,000 folders	
Maintain client folder address in HDD	Direct input on operation panel, WebImageMonitor, SmartDeviceMonitor	

Scan to Folder Specifications		
Direct addressing of destination client folder via soft key	Yes	
Search client folder	SMB: Browsing directly to the designated folders FTP: By client folder name NCP: Browsing*	*optional
Homefolder over LDAP	Yes	
Max. client folder numbers per send	Max. 50 client folders / PCs per send	
Simultaneous Transmission	Max.550	
Group address	Max. 500 destinations (Folder destination must be less than 50)e.g. 500 destinations (50 folders included) >OK 500 destinations (51 folders included) >Failure	
Input File Name	Yes	
Scan to File size	2000 MB	
File Size when combined Scan to Folder & Scan to E-mail	128 - 102,400kB, Default = 2,048KB (With restriction) 725MB (Without restriction) (Scan to E-mail file size applied).	
File Type	Single Page - TIFF/JPEG/PDF/PDF-A/High Compression PDF Multi Page - TIFF/PDF/PDF-A/High Compression PDF	
Program User Settings	Up to 25 programs	
Resend	Yes / No, Default = Yes	

Network Twain Driver Specifications		
OS	32bit/64bit: Windows XP, Vista, 7, Server2003/2008 64bit: Windows Server 2008R2 (Operates in 32-bit compatibility mode on 64-bit operating systems)	
Scanning Speed	B&W - TBA	
	Color - TBA	
Resolution	B&W - 100 – 1200dpi (Black and White / Grayscale)	*Selectable maximum scan resolution depends on the original size.
	Color - 100 – 1200dpi (Full Color)	*Selectable maximum scan resolution depends on the original size.
Scan Mode	Standard / Photo / OCR / Filing	
Image Adjustment	Brightness / Contrast / Threshold /Gamma Adjustment / Halftone Pattern	
Endorser	Supported	
Stamp	Date / Page Number / Text	

Document Server Specifications	
HDD Capacity	190
Max Stored Documents	3,000
Max Pages Per Documents	3,000
Max Pages of All Stored Documents	15,000
Storage Period	1-180 days, or "no limit"

Security Specifications	
Network User Authentication	Yes
IP Address Filtering	Yes
MAC Address Filtering	No
HDD Overwrite	Yes(std)
HDD Encryption	Yes(std)
Copy Guard Security	Yes
Secure Print	Yes
Encrypted Secure Print	Yes
Encrypted PDF Mode	Yes
Digitaly signed PDF	Yes
IP Sec	Yes
Secure Sockets Layer(SSL)	Yes
SNMPv3	Yes
SMTP over SSL	Yes
IPv6	Yes
Transport Layer Security	Yes
Security for IEEE 802.11i,w	Yes
Removable HDD	No

ADF Specifications

ADF		
Original Size	Simplex	A3, A4, A5, B4, B5, B6 DLT,LG,LT,HLT
	Duplex	A3, A4, A5, B4, B5 DLT,LG,LT,HLT
Original weight	Simplex	40 – 128 g/m2
	Duplex	52 – 128 g/m2
Stack Capacity		220 Sheets
Power Consumption		72.2 or less
Dimension		587 x 520 x 175 mm / 23.11 x 20.47 x 6.89 in.
Weight		13.9 or less kg / 30.64 or less lbs.

Options

A4/LT LCIT RT4020	
Paper Size	A4, B5, LT / LEF
Paper Weight	52.3 – 216 g/m2
Paper Capacity	4400 sheets
Power Consumption	Less than 50W
Dimension	13.8 x21.3 x 24.6 in. - 19.7 x21.3 x 24.6 in.(with LG unit)
Weight	Less than 20kg / Less than 44.1 lbs.

LG/B4 Tray for A4/LT LCIT	
Paper Size	B4, LG, A4 LT SEF / LT LEF
Paper Weight	52.3 – 216 g/m2
Paper Capacity	2500 sheets

SRA3++ / 13 x 19 DLT Tray RT4030	
Paper Size	A4, B5, LT / LEF
Paper Weight	52.3 – 300 g/m2
Paper Capacity	2200 sheets
Power Consumption	Less than 50W
Dimension	34.2 x28.7x 25.9 in.
Weight	Less than 82kg / Less than 180.8 lbs.

One Bin Tray M2 (Copy Tray)	
Paper Size	Width: 90 - 330.2 mm Length: 139.7 - 487.7mm - A6/SEF - 13”×19.2”
Paper Weight	52.3 – 300 g/sm
Paper Capacity	TBD
Dimension(WxDxH)	TBD
Weight	TBD

3000 Sheet Finisher with 100 Staple SR4110		
Paper Size	Proof Tray	Non-Folded: A6 SEF - SRA3++, B6 SEF, HLT - DLT, 12"x 18", 13" x 19.2" Z-Folded: A3, B4, A4 SEF, DLT, LG, LT SEF）
	Shift Tray	Non-Folded: A5 - SRA3++, HLT - DLT, 12" x 18", 13" x 19.2" Z-folded: A4SEF, B4, A3, LTSEF, LG, DLT
Paper Weight	Proof Tray	Non-Folded : 52 - 216 / Z-Folded: 64 - 80g/m2
	Shift Tray	Non-Folded : 52 - 300 / Z-Folded: 64 - 80g/m2
Stack Capacity	Proof Tray	Non Z-Folded: 500 sheets A4, LT or smaller - 250 sheets B4, LG or larger / Z-Folded: 30 sheets
	Shift Tray	Non Z-Folded:3,000 sheets: A4 LEF, B5 LEF, LT LEF - 1,500 sheets: A3, A4 SEF, B4, B5 SEF, DLT, LG, LT SEF - 1,000 sheets: 12"x 18", 13" x 19.2" - 500 sheets: A5 LEF, HLT LEF - 100 sheets: A5 SEF, HLT SEF / Z-folded sheets: 30 sheets
	Normal Staple Sort	10-100 sheets/set A4 LEF, B5 LEF, LT LEF (#of sets 200-30set) 2-9 sheets/set A4 SEF, B5 SEF, LT SEF (#of sets 150set) 10-50 sheets/set A3 ,B4 (#of sets 150-30set) 2-9 sheets/set DLT, LG (#of sets 150set)
	Z-folded	1 - 10sets: Z-Folded A3 + A4, Z-Folded B4 + B5, Z-Folded DLT + LT (#of sets 30 - 3set)
Staple Capacity		2-100sheets／A4、B5、LT 2-50sheets／A3、B4、DLT、LG 10 Z-folded sheets with 0 non Z-folded sheets 9 Z-folded sheets with 0-10 non Z-folded sheets 8 Z-folded sheets with 0-20 non Z-folded sheets 7 Z-folded sheets with 0-30 non Z-folded sheets 6 Z-folded sheet with 0-40 non Z-folded sheets 5 Z-folded sheets with 0-50 non Z-folded sheets 4 Z-folded sheets with 0-60 non Z-folded sheets 3 Z-folded sheets with 0-70 non Z-folded sheets 2 Z-folded sheets with 0-80 non Z-folded sheets 1 Z-folded sheet with 0-90 non Z-folded sheets
Staple Paper Size		Non Z-folded - A3 - B5, DLT - LT / Z-Folded sheets - A3, B4, DLT
Staple Paper Weight		Non Z-folded sheets - 64 -90 / Z-folded sheets - 64 -80 g/m2
Staple Position		Top, Bottom, 2 Staple, Top-slant
Staple Cartridge Capacity		5,000 pins per cartridge
Power Consumption		Less than 120 Watts
Dimension(WxDxH)		806x 730 x 980 mm / 31.73x 28.74x 38.58 in.
Weight		Less than 75kg / 165 lbs
Punch Unit	Paper Size	NA, EU/2 Holes - SEF A5 - A3, HLT - DLT LEF A5 - A4 HLT, LT
		NA/3 Holes - SEF B4, A3, DLT LEF A4, B5, LT
		EU/4 Holes - SEF A3, B4, DLT LEF A4, B5, LT
		SC/4 Holes - SEF A5 - A3, HLT - DLT LEF A5 - A4, HLT, LT
	Paper Weight	NA 2/3 Holes/ NA/3 Holes - 52 – 163 g/m2 / Others 52 – 128 g/m2

2000 Sheet Finisher with Saddle Stitch SR4100		
Paper Size	Proof Tray Shift Tray	A3T～A5, B6T,A6T, 12”×18”, HLT～DLT,SRA3++,13”×19.2” Custom size (90×139.7～330.2×487.7)
Paper Weight	Proof Tray	52 – 220 g/m2
	Shift Tray	52 – 300 g/m2
Stack Capacity	Proof Tray	250 sheets A4, 8 1/2"x11" or smaller 50 sheets B4, 8 1/2"x14 or larger
	Shift Tray	3,000 sheets A4 LEF, LT LEF 1,500 sheets A3 SEF, A4 SEF, B4 SEF, B5, DLT SEF, LG SEF, LT SEF 12"x18" SEF, SRA3++, 13" x 19.2" 500 sheets A5 LEF 100 sheets A5 SEF, B6 SEF, A6 SEF, HLT SEF
	Normal Staple Sort	2-19 sheets/set A4/LT LEF (#of sets 150set) Max Stack Capacity 3,000sheets 20-65 sheets/set A4/LT LEF (#of sets 150-46set) Max Stack Capacity 3,000sheets 2-14 sheets/set A4/LT SEF ,B5 (#of sets 100set) Max Stack Capacity 1,500sheets 15-65 sheets/set A4/LT SEF ,B5 (#of sets 100-23set) Max Stack Capacity 1,500sheets 2-14 sheets/set Paper size not listed above (#of sets 100set) Max Stack Capacity 1,500sheets 5-65 sheets/set Paper size not listed above (#of sets 100-23set) Max Stack Capacity 1,500sheets
	Saddle Stitch Staple Sort	2-5 sheets/set (#of sets 30set) 6-10 sheets/set (#of sets 15set) 11-15 sheets/set (#of sets 10set) 16-20 sheets/set (#of sets 6 set)
Staple Capacity	Normal Staple	Same Paper Size: 65 sheets A4, 8 1/2"x11" or smaller 30 sheets B4, 8 1/2"x14 or larger Mixed Paper Size: 30 sheets A4 LEF & A3 B5 LEF & B4 8 1/2"x11" LEF & 11" x17" SEF Z folded paper: 5 Z-folded sheets with 0 non Z-folded sheets 4 Z-folded sheets with 0-10 non Z-folded sheets 3 Z-folded sheets with 0-20 non Z-folded sheets 2 Z-folded sheets with 0-30 non Z-folded sheets 1 Z-folded sheet with 0-40 non Z-folded sheets
	Saddle Stitch Staple	20 sheets: 4 SEF, B5 SEF LT SEF, LG SEF, DLT SEF, 12" x 18" SEF, RA3++, 13" x 19.2"
Staple Paper Size		B5-A3 SEF LT-DLT SEF
Staple Paper Weight		64 - 105 (booklet stapling) , 52 - 105 (normal stapling)
Staple Position		Top, Bottom, 2 Staple, Top-slant, Booklet
Staple Cartridge Capacity		65 Sheet staple/5,000 pins per cartridge-Saddle Stitch Staple /2000 pins per cartridge
Power Consumption		56 Watts
Dimension(WxDxH)		657 x 613 x 960 mm / 25.87 x 24.13x 37.80 in
Weight		Less than 53kg - Less than 56kg with Punch Unit / Less than 116.84lbs - Less than

2000 Sheet Finisher with Saddle Stitch SR4100		
		123.46lbs with Punch Unit
Punch Unit	Paper Size	NA, EU/2 Holes - SEF A5 - A3, HLT - DLT LEF A5 - A4 HLT, LT
		NA/3 Holes - SEF B4, A3, DLT LEF A4, B5, LT
		EU/4 Holes - SEF A3, B4, DLT LEF A4, B5, LT
		SC/4 Holes - SEF A5 - A3, HLT - DLT LEF A5 - A4, HLT, LT
	Paper Weight	All Units - 52.3 – 256 g/m2

FD4000 Multi-Folding Unit		
Paper Size		<Single Sheet Mode> Z folding: A4 - A3, 8 1/2" x 11" - 12" x 18" Half folding: B5 - A3, 8 1/2"x 11"- 13" x 19.2" Letter folding: B5 - A3, 8 1/2" x 11" - 12" x 18" Double parallel/Gate folding: B5 - A3, 8 1/2 x 11" - 12" x 18" <Multiple Sheet Mode> Half folding: B5 - A3, 8 1/2"x 11"- 13" x 19.2" Letter folding-out: B5 - B4, 8 1/2" x 11" - 8 1/2" x 14" Letter folding-in: B5 - A3, 8 1/2" x 11" - 12" x 18"
Paper Weight		Single Sheet Mode> 64-105 g/m2 / Multiple Sheet Mode> 64-80 g/m2 Single Sheet Mode> 17Bond-28Bond / Multiple Sheet Mode> 17Bond-21Bond
Folding Type	Single Sheet	Z-fold, Half fold,Letter fold-in,Letter fold-out, Double Parallel, Gate Fold
	Multiple Sheets	Half fold,Letter fold-in,Letter fold-out. Up to 3 sheets
Power Consumption		Less than 240 W
Dimension(WxDxH)		470 × 980× 730 mm / 18.5x 38.58x 28.74 in.
Weight		Less than 92 kg / Less than 202.82 lbs.

3000 Sheet Finisher with 65 Staple SR4090		
Paper Size	Proof Tray Shift Tray	A3T～A5, B6T,A6T, 12”×18”, HLT～DLT,SRA3++,13”×19.2” Custom size (90×139.7～330.2×487.7)
Paper Weight	Proof Tray	52 – 220 g/m2
	Shift Tray	52 – 300 g/m2
Stack Capacity	Proof Tray	250 sheets A4, 8 1/2"x11" or smaller 50 sheets B4, 8 1/2"x14 or larger
	Shift Tray	3,000 sheets A4 LEF, LT LEF 1,500 sheets A3 SEF, A4 SEF, B4 SEF, B5, DLT SEF, LG SEF, LT SEF 12"x18" SEF, SRA3++, 13" x 19.2" 500 sheets A5 LEF 100 sheets A5 SEF, B6 SEF, A6 SEF, HLT SEF
	Normal Staple Sort	2-19 sheets/set A4/LT LEF (#of sets 150set) Max Stack Capacity 3,000sheets 20-65 sheets/set A4/LT LEF (#of sets 150-46set) Max Stack Capacity 3,000sheets 2-14 sheets/set A4/LT SEF ,B5 (#of sets 100set) Max Stack Capacity 1,500sheets 15-65 sheets/set A4/LT SEF ,B5 (#of sets 100-23set) Max Stack Capacity 1,500sheets

3000 Sheet Finisher with 65 Staple SR4090		
		2-14 sheets/set Paper size not listed above (#of sets 100set) Max Stack Capacity 1,500sheets 5-65 sheets/set Paper size not listed above (#of sets 100-23set) Max Stack Capacity 1,500sheets
	Mixed Sizes	2-65 sheets/et A3/A4LEF, B4/B5LEF, DLT/LTLEF (# of sets 2set)
Staple Paper Size		B5-A3 SEF LT-DLT SEF
Staple Paper Weight		52 – 105 g/m2
Staple Position		Top, Bottom, 2 Staple, Top-slant
Staple Cartridge Capacity		5,000 pins per cartridge
Power Consumption		56 Watts
Dimension(WxDxH)		657 x 613 x 960 mm / 25.87 x 24.13x 37.80 in
Weight		Less than 53kg - Less than 56kg with Punch Unit / Less than 116.84lbs - Less than 123.46lbs with Punch Unit
Punch Unit	Paper Size	NA, EU/2 Holes - SEF A5 - A3, HLT - DLT LEF A5 - A4 HLT, LT
		NA/3 Holes - SEF B4, A3, DLT LEF A4, B5, LT
		EU/4 Holes - SEF A3, B4, DLT LEF A4, B5, LT
		SC/4 Holes - SEF A5 - A3, HLT - DLT LEF A5 - A4, HLT, LT
	Paper Weight	All Units - 52.3 – 256 g/m2

Decurl Unit DU5020	
Paper Size	A3 LEF, A4, A5, A6 LEF, B4 LEF, B5, B6 LEF, 11x17 LEF, 8.5x14 LEF, 8,5x11, 8x13 LEF, 7.25x10. 5,5.5x8.5, 8K LEF, 16K, 12 x18LEF, 13 x 18 .20 LEF, 13x19 LEF, 12.6x19.2LEF, 12.6 x 18.5LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom Size
Paper Thickness	52.3 to 300 gm2
Power Consumption	30W or less
Dimension(WxDxH)	170 x 730 x 990mm
Weight	Approx. 30Kg
Power Source	Draw from Mainframe

Buffer Pass Unit Type 5020	
Paper Size	A3 LEF, A4, A5, A6 LEF, B4 LEF, B5, B6 LEF, 11x17 LEF, 8.5x14 LEF, 8,5x11, 8x13 LEF, 7.25x10. 5,5.5x8.5, 8K LEF, 16K, 12 x18LEF, 13 x 18 .20 LEF, 13x19 LEF, 12.6x19.2LEF, 12.6 x 18.5LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom Size
Paper Thickness	52.3 to 300 gm2
Power Consumption	200W or less
Dimension(WxDxH)	330 x 725 x 980mm
Weight	Approx. 92Kg
Power Source	100 vac 3A, 50/60Hz

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Printer

Settings from Printer Driver: PCL5c, XPS

Resolution	*600dpi*	600dpi	600dpi	1200dpi
Gradation	*Fast*	Standard	Fine	Fast
Printing Mode	*Standard*	Quality Preference	High Quality	Standard
Result	*600x600dpi(1bit)*	600x600dpi(2bit)	600x600dpi(4bit)	1200x1200dpi(1bit)

Settings from Printer Driver: PCL6, PS3（YAPD2.0）

Resolution	600dpi	2400x600dpi	9600x600dpi	1200dpi	4800x1200dpi
Gradation	*	*	*	*	*
Printing Mode	*	*	*	*	*
Result	600x600dpi(1bit)	600x600dpi(2bit)	600x600dpi(4bit)	1200x1200dpi(1bit)	1200x1200dpi(2bit)

*YAPD2.0 does not support Gradation・Printing Mode

MFP Supported Environments

Supported Environments

OS	Type	PCL5c	PCL6	PostScript3	XPS
Windows 2000	Professional	N	N	N	N
	Server	N	N	N	N
	Advanced Server	N	N	N	N
	Detacener Server	N	N	N	N
Windows XP	Professional	Y	Y	Y	N
	Home Edition	Y	Y	Y	N
Windows Vista	Starter	N	N	N	N
	Home Basic	Y	Y	Y	Y*1
	Home Premium	Y	Y	Y	Y*1
	Business	Y	Y	Y	Y*1
	Ultimate	Y	Y	Y	Y*1
	Enterprise	Y	Y	Y	Y*1
Windows 7	Starter	N	N	N	N
	Home Basic	N	N	N	N
	Home Premium	Y	Y	Y	Y
	Professional	Y	Y	Y	Y
	Ultimate	Y	Y	Y	Y
	Enterprise	Y	Y	Y	Y
Windows Server 2003	Standard Edition	Y	Y	Y	N
	Enterprise Edition	Y	Y	Y	N
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N
Windows Server 2003 R2	Standard Edition	Y	Y	Y	N
	Enterprise Edition	Y	Y	Y	N
	Datacenter Edition	N	N	N	N
OS	**Type**	**PCL5c**	**PCL6**	**PostScript3**	**XPS**
Windows Server 2008	Standard Edition	Y	Y	Y	Y

	Enterprise Edition	Y	Y	Y	Y
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N
Windows Server 2008R2	Standard Edition	Y	Y	Y	Y
	Enterprise Edition	Y	Y	Y	Y
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N

*1:SP1 or later is recommended
*RPCS driver has been discontinued.

Point & Print					
Windows OS		**Drivers**			
Server	**Client(Push to)**	**PCL5c**	**PCL6**	**PS**	**XPS**
Windows Server 2003 /2003 R2	7	Y	Y	Y	N
	Vista	Y	Y	Y	N
	XP	Y	Y	Y	N
	W2K Pro	N	N	N	N
Windows Server 2008	7	Y	Y	Y	Y
	Vista	Y	Y	Y	Y
	XP	Y	Y	Y	N
	W2K Pro	N	N	N	N
Windows Server 2008R2	7	Y	Y	Y	Y
	Vista	Y	Y	Y	Y
	XP	Y	Y	Y	N
	W2K Pro	N	N	N	N
Windows 2000 Professional	7	N	N	N	N
Server & Advanced Server	Vista	N	N	N	N
	XP	N	N	N	N
	W2K Pro	N	N	N	N
Windows XP Professional	7	Y	Y	Y	N
	Vista	Y	Y	Y	N
	XP	Y	Y	Y	N
	W2K Pro	N	N	N	N
Windows Vista	7	Y	Y	Y	Y
	Vista	Y	Y	Y	Y
	XP	Y	Y	Y	N
	W2K Pro	N	N	N	N

*RPCS driver has been discontinued.

Terminal Service & Citrix MetaFrame			
Server	**Driver**		
	PCL5e/6	**RPCS**	**PS**
Win Server 2008R2	Y	Y	Y
Win Server 2008	Y	Y	Y

Win Server 2003	Y	Y	Y
Win Server 2003 R2	Y	Y	Y
Win 2000 Server	N	N	N
Win Server 2003 + MetaFrame	N	N	N
Win 2000 Server + MetaFrame	N	N	N
Win Server 2003 + Citrix PresentationServer4.0	N	N	N
Win 2000 Server + Citrix PresentationServer4.0	N	N	N
Win Server 2003 + Citrix PresentationServer4.5	Y	Y	Y
Win Server 2008 + XenApp5.0	Y	Y	Y
Win Server 2008R2 + XenApp6.0	Y	Y	Y

*RPCS driver has been discontinued.

*XPS driver is not supported in the environment of terminal service and Citrix MetaFrame.
*Even "Yes" is put in the cell, there is a case driver is not supported under the combination of FR and Service Pack of Meta Frame.

*Following combinations of operating system and Citrix MetaFrame are supported.

Windows 2003 Server

1. Windows Terminal Service (RDP protocol)

2. Citrix PresentationServer4.5

Windows 2008 Server

1. Windows Terminal Service (RDP protocol)

2. Citrix XenApp5.0

Windows 2008R2 Server

1. Windows Terminal Service (RDP protocol)

2. Citrix XenApp6.0

Mac OS

	PostScript3	Printer Utility for Mac
Mac OS 8.6 or later, Mac OS X classic	N	N
Mac OS X Native: v.10.5 or later	Y	N

UNIX Environment

Unix Platforms	Version
Sun Solaris	2.6 / 7 / 8 / 9 /10
HP-UX	10.x/11.x/11i v2/11i v3
Red Hat Linux	Enterprise 4, 5, 6
SCO OpenServer	5.0.6 /5.0.7/6.0
IBM AIX	5L Version 5.3, 6.1, 7.1

Novell Netware

Netware Server	Supported Version Client OS	Netware 6.5 Windows XP professional/Vista/2003/2008/7

*1: Netware option is required

SAP/R3 Environment (Device Type / Barcode & OCR Package)

Device Type will be provided from SAP itself in SAP Printer Vendor Program.
For the detailed specification, please refer to another announcement to be issued in the future.

Supported Barcode & OCR Fonts	Barcode Fonts	Code 128, Code 39, Code 93, Codabar, 2 of 5 interleaved/Industrial/Matrix, MSI, USPS, UPC/EAN
	OCR Fonts	OCR A, OCR B

Utility Software

Software	Description
For GW Controller Font Manager	This software enables you to use screen fonts.
Smart Device Monitor for Admin	This software enables you to manage and monitor printers and other devices over the network.
DeskTopBinder – SmartDeviceMonitor for Client	This software enables you to access networked printers to print, monitor or to receive notifications. With DeskTopBinder Lite you can connect client computers to I/O devices enabling you to efficiently manage data.
Device Graphic Update Module	Device Graphic Update module provides bitmap images used to represent the various statuses of devices graphically within Smart Device Monitor or Web Smart Device Monitor. Available on the Ricoh website.
Printer Utility for Mac	This is a utility for Macintosh that provides access to several network printing administrative features.
PS Descriptions	PPD for Mac By interacting with the Adobe PostScript 3 controller in the device, this PPD is able to produce an accurate representation of the screen image.
Mac OS X PPD Installer	This PPD installer is used to install a PPD (Postscript Printer Description) file on Mac OSX. PPD files contain descriptions of printer capabilities such as paper sizes, number of input trays and duplexing. Once the PPD file is installed on the system using the PPD installer, the PS driver that comes bundled with Mac OS X can use the information in the PPD to control the print device and enable full functionality. It supports the Mac OS X 10.1 or later. Please see the Readme file for information about compatibility with versions of Mac OS X.
LAN FAX Driver M10	This software enables you to fax documents directly from your computer. The Address Book Editor and Cover Sheet Editor are installed as well. This software requires the optional fax unit to be installed on the machine. M10 Driver
RPCS Driver	Printer driver for Windows: It is optimized for the Windows GDI. High performance printing can be expected. Regularly used settings can be saved as a "one-click icon" in the driver interface. These settings can be reused easily by clicking the icon.
PCL 6 Driver	Printer driver for B/W printing in Windows. It supports HP PCL XL commands and is optimized for the Windows GDI. High performance printing can be expected.
PCL 5e Driver	Printer driver for printing in Windows. It supports HP PCL 5e commands.
Post Script Driver	By interacting with the Adobe PostScript 3 controller in the device, this driver is able to produce an accurate representation of the screen image.
GW Controller Network TWAIN Driver	TWAIN scanner driver for network connections with new features Combine/Series, compatible with SNMP V3and Network Connection Tool.

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Print Driver Information

Features	PCL5c	PCL6	PostScript3		XPS
			Windows XP/Vista/7	Mac OS X 10.5 or Later	
Send to job Binding	N	N	N	N	N
Send to Document Server	Y	Y	Y	Y	Y
Sample Print	Y	Y	Y	Y	Y
Locked Print	Y	Y	Y	Y	Y
Hold Print	Y	Y	Y	Y	Y
Scheduled Print	N	Y	Y	Y	N
Stored Print	Y	Y	Y	Y	Y
Stored Print(Shared)	Y	Y	N	N	N
Store and Print	Y	Y	Y	Y	Y
Store and Print(Shared)	Y	Y	N	N	N
Reduce/Enlarge(Zoom/Scaling)	Y*2	Y	Y	Y	Y
Reduce/Enlarge Centering	N	Y*2	N	N	N
Fit to Paper Size	Y	Y	Y	Y	N
Unauthorized Copy Control	N	Y	Y	Y	N
Layout(N-up, Page per sheet)	Y	Y	Y	Y	Y
Poster	N	Y	N	N	N
Duplex	Y	Y	Y	Y	Y
Booklet1	N	N	N	N	N
Booklet2(Magazine)	Y	Y	Y	Y	Y
Non-Reduction Booklet	Y	N	N	N	N
Layout + Booklet	N	Y	Y	Y	N
Watermark	Y	Y	Y	Y	N
Overlay	N	N	N	N	N
Header/Footer	N	N	N	N	N
Adjust Image Position	N	N	N	N	N
Binding Margins	N	N	N	N	N
Collate	Y	Y	Y	Y	Y
Punch	Y	Y	Y	Y	Y
Staple	Y	Y	Y	Y	Y
Cover Sheet(Front Cover)	Y	Y	N	N	N
Front and Back Cover	Y	Y	N	N	N
Slip Sheet	Y	Y	N	N	Y
Banner Page Print	Y	Y	Y	Y	N
Chaptering	Y	Y	N	N	N
Rotate by 180 degrees	Y	Y	Y	Y	Y
Reverse Order Print	N	Y	Y	Y	Y
Do not print Blank Pages	Y*3	N	N	N	N
Dithering	Y	Y	Y	Y	N
Toner Saving	N	N	Y	Y	Y*4

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Features	PCL5c	PCL6	PostScript3		XPS
Black Over Print	Y	Y	Y	Y	N
Gray Reproduction	Y	Y	Y	Y	Y
CLP Color Simulation	Y	Y	Y	Y	N
POP Display	N	Y	Y	Y	N
Print Priority Setting :Quality	N	Y	N	N	N
Print Priority Setting :Speed	N	Y	N	N	N
Print Priority Setting :High Speed	N	N	N	N	N
User ID	Y	Y	Y	Y	Y
User Code	Y	Y	Y	Y	Y
User Authentication	Y	Y	N	N	N
Encryption/Encoding	Y	Y	N	N	N
Mirror image Print	N	N	Y	N	N
Negative Image Print	N	N	N	N	N
Edge to Edge Print	Y	Y	Y	Y	N
Limitation Seting	Y	N	N	N	N
Classification Code	Y	Y	N	N	N

Y: supported
N: not supported
*1: Printer Driver CD does not include PCL5e. It will be provided on Web site.

Counters

Counter Type:

	Type	Description of what is included in Meter	Q'ty	Location	Total number of digits
1	Electronic	Total Counter (B & W)	1	Control Panel	9
2	Electronic	Total Counter (Color)	1	Control Panel	9
3	Electronic	Copier Counter (B & W)	1	Control Panel	9
4	Electronic	Copier Counter (Color)	1	Control Panel	9
5	Electronic	Printer Counter (B & W)	1	Control Panel	9
6	Electronic	Printer Counter (Color)	1	Control Panel	9
7	Electronic	Scanner Counter	1	Control Panel	9

Counter Specifications

	Type	Description of what is included in Meter	Max Value	Next value after max value
1	Electronic	Total Counter (B & W)	999,999,999	Roll over to Zero again
2	Electronic	Total Counter (Color)	999,999,999	Roll over to Zero again
3	Electronic	Copier Counter (B & W)	999,999,999	Roll over to Zero again
4	Electronic	Copier Counter (Color)	999,999,999	Roll over to Zero again
5	Electronic	Printer Counter (B & W)	999,999,999	Roll over to Zero again
6	Electronic	Printer Counter (Color)	999,999,999	Roll over to Zero again

- User Tools / Counter → Counter → OK →Print → Start

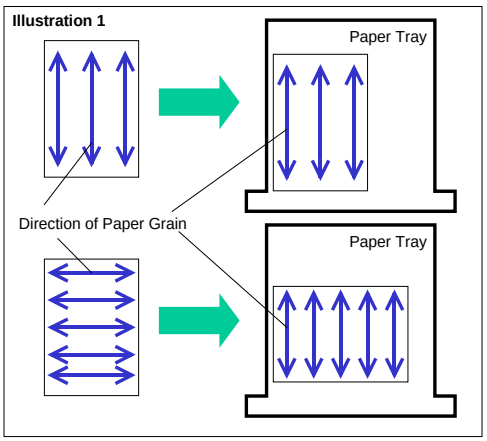
Paper

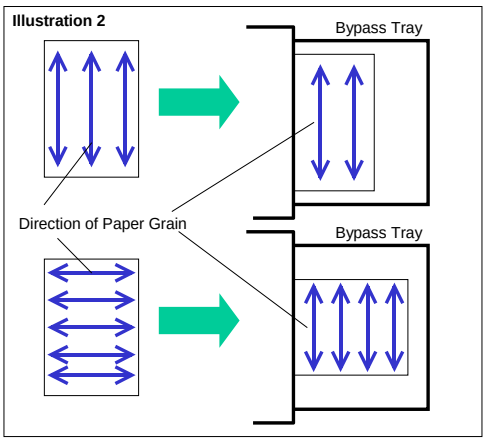
Recommended Throughput Material

Refer to MQP Recommended Media List

Recommended Paper Condition

All the paper should be stored where the room temperature is 20-25 degree C and the humidity is 30-65%.
Any curls in the paper should be smoothed out before loading it.
When loading thick paper in paper trays1-3, or the wide LCT, set the paper direction according to the grain, as shown in the following illustration (1).





Non Recommended Throughput Material

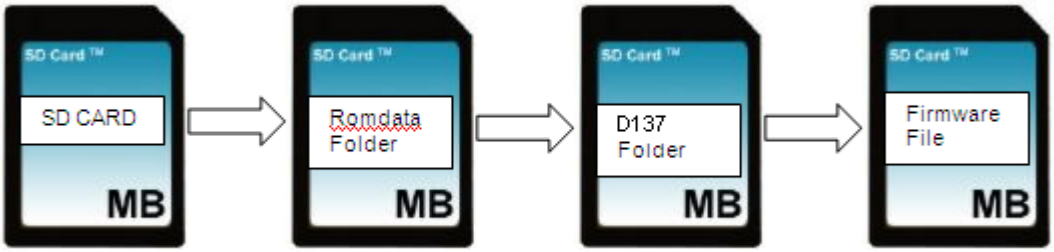
To prevent faults, do not use any of the following kinds of treated paper:
• Paper for inkjet printers
• Thermal fax paper
• Art paper
• Aluminum foil
• Carbon paper
• Conductive paper
• Paper with perforated lines
• Hemmed-edge paper
• Color OHP transparencies with easily melted coatings
• Bent, folded, or creased paper
• Perforated paper
• Slippery, torn, rough paper
• Thin paper with little stiffness
• Paper with a dusty surface
• If you copy or print onto rough grain paper, the output image might be blurred.
• Do not reuse copy paper that has been already copied or printed onto.

Firmware Information

Firmware

Firmware SD Card	Firmware Type
System/Copy	Controller
Engine	Engine (IOB/BCU)
LCDC	Operation Panel
ADF	Document Feeder
Network Support	Network
Language	Operation Language
NetDocBox	Network Document box
FCU	Fax Controller
FAX	Fax operation
Printer	Printer Operation
Scanner	Scanner Operation
RFax	Remote FAX
Websupport	Web Support
WebUApl	Web User Application

SD Card Arrangement



NOTE: Base machine, DDST and PCL for DDST require a IC card. When the GW controller is installed an SD card is require. For more information on the romdata folder structure refer to D359 printer/scanner option firmware update procedure.

Product Support Guide
D137 / D138

Contact Information

Name	Contact
Technical Services Call Center (Hotline)	Ricoh: (800) 537-4264 Savin: (800) 291-6044 Lanier: (800) 333-3147
Application Help Desk (Software Issues)	Ricoh Phone Card: 2 Call - 000781MIU, 5 Call - 000900MIU Savin Phone Card: 2 Call - 12992, 5 Call - 12993
Technology Solutions Resource Center	http://www.tscweb.net
Headquarter Web Sites	Ricoh Corporation: http://www.ricoh-usa.com Savin Corporation: http://www.savin.com Gestetner Corporation: http://www.gestetnerusa.com/ Lanier Corporation: http://www.lanier.com
Material Safety Data Sheets	(800) 336-MSDS (6737)
Ricoh Learning Institute	http://ricohuniversity.ricoh-usa.com/

Training Information

Training Plan

The D137/D138 Pro models have many features in common with D135/D136 Office models. Therefore, a basic training should be held for the whole series, and an advanced training on unique features for D137/D138 Pro models

Technicians of D137/D138 Pro models should study Color Controller E-22B and E-42B..

Documentation

Description	RFG E-Source Number
Field Service manual	TBA
Parts catalog	TBA
System Maintenance 1 / 2	TBA
Detailed Descriptions	rfg056438
Operator manual	TBA
TCRU Guides	TBA

Please refer to the http://www.ricohuniversity.com/ web site for the most up to date training information.

Please be aware that once a model or series is out of production, the Field Service Manual, Technical Service Bulletins and Ricoh University should be referenced for the most current information. Check the TSC website and e-source.

Revisions

Initial – v2.0